

5/I.D.S.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Complete if Known

Application Number	09/982,940
Filing Date	22 October 2001
First Named Inventor	Charles B. GRISSON
Group Art Unit	1646
Examiner Name	Not Assigned

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of

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Attorney Docket Number 2317-106

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³ Code	Number ⁴	Kind ⁵ (if known)			
		WO	90/12095	A1	Purdue Research Foundation	10/18/1990	
		WO	94/28015	A1	Biotech Australia Pty. Limited	12/08/1994	
		WO	94/27613	A1	Biotech Australia Pty. Limited	12/08/1994	
		WO	96/04016	A1	Amgen Inc.	02/15/1996	

Examiner
Signature

Date
Considered

6/24/03

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code.

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.



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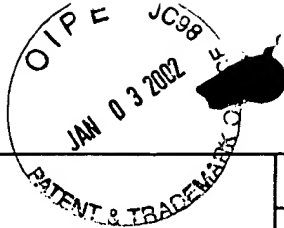
2317-106

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
J3		P.M. Pathare et al., "Synthesis of Cobalamin-Biotin Conjugates that Vary in the Position of Cobalamin Coupling. Evaluation of Cobalamin Derivative Binding to Transcobalamin II," 6148 Bioconjugate Chemistry 7(20): 217-232, March/April 1996, XP 000558422.	
		A. Bayomi et al., "Triggered Release of Chlorambucil from an Inactive Bioconjugate," p. 123, April 13, 1997, XP-001073706 (online abstract).	
		A. Bayomi et al., "Preparation and Study of Photolabile Cobalt-Antitumor Drug Conjugates," S297, September 1996, XP-001073707 (online abstract).	
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INFORMATION DISCLOSURE
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Examiner Name	
Sheet 1 of 2	Attorney Docket Number 2317-106

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
J3	1	4758421		Goodwin et al.	07-19-1988
	2	5047227		Rodwell et al.	09-10-1991
	3	5428023		Russell-Jones et al.	06-27-1995
	4	5512443		Schlom et al.	04-30-1996
	5	5589463		Russell-Jones et al.	12-31-1996
	6	5608046		Cook et al.	03-04-1997
	7	5763569		Brown et al.	06-09-1998

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J3	8	WO	95/27723		Morgan et al.	10-19-1995	

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J3	9	Russell-Jones, G.J., et al., "Vitamin B ₁₂ Mediated Oral Delivery Systems for Granulocyte-Colony Stimulating Factor and Erythropoietin", <i>Bioconjugate Chem.</i> , 1995, 6:459-465.	
	10	Routier, S. et al., "Synthesis of metal complexes of 2,9-bis(2-hydroxyphenyl)-1,10-phenanthroline and their DNA binding and cleaving activities", <i>J Chem Soc Perin Trans</i> , 1998, 2:863-868.	

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Application Number	09/982,449
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First Named Inventor	Charles B. GRISSOM
Group Art Unit	1646
Examiner Name	

Sheet	2	of	2	Attorney Docket Number	2317-106
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J3	11	Osinsky, S.P. et al., "Modifying Effect of Organocobalt Complexes on the Tumour Response to Anticancer Treatments", <i>Anticancer Res</i> , 1997, 17:3457-3462.	
	12	Mandal, S.S. et al., "Role of the Central Metal Ion and Ligand Charge in the DNA Binding and Modification by Metallosalen Complexes", <i>Bioconjugate Chem</i> , 1997, 8:798-812.	
	13	Marzilli, L.G. et al., "Transfer of Organometallic Chemistry of Substituent Constants form Organic Chemistry. 1. Resolution of Longstanding Anomalies in the Chemistry of Organocobalt B ₁₂ Models and Organocobalamins", <i>J Am Chem Soc</i> , 1987, 109:6045-6052.	
	14	Vol'pin, M. et al., "New Course in the Search for Antitumor Agent: The Use of pH-Dependent Sources of Reactive Radicals", <i>Agnew Chem Int Ed Engl</i> , 1996, 35:2395-2396.	
	15	Natarajan, E.N and Grissom, C.B., "Magnetic Field Effects on the Photolysis of Alkyl-Cobalt Complexes", <i>Abstracts of Papers of Am Chem Society</i> , 1996, 213:17-INOR.	
	16	Grissom, C.B. and Chagovetz, A.M., "Magnetic Field Effects in Model B12 Enzymatic Reactions. The Photolysis of Methylcob(III)alamin", <i>Zeit Physik Chem</i> , 1993, 182:181-188.	
	17	Verma, I.M. and Somia, N., "Gene therapy - promises, problems and prospects", <i>Nature</i> , 1997, 389:239-242.	
	18	Crystal, R.G., "Transfer of Genes to Humans: Early Lessons and Obstacles to Success", <i>Science</i> , 1995, 270:404-410.	
	19	Branch, A.D., "A good antisense molecule is hard to find", <i>Trends Biochem Sci</i> , 1998, 23:45-50.	
	20	Friedman, T., "Overcoming the Obstacles", <i>Scientific American</i> , June 1997, 96-101.	
	21	Schofield, J.P. and Caskey, C.T., "Non-viral approaches to gene therapy", <i>Bri Med Bull</i> , 1995, 51:56-71.	
	22	Cooke, S.T., "Basic Principles of Antisense Therapeutics", in <i>Antisense Research and Application</i> , 1998, 1-50, Agrawal, T. et al., eds., Springer-Verlag, Berlin.	
	23	Hogenkamp, H.P.C. et al., "Diagnostic and Therapeutic Analogues of Cobalamin", in <i>Chemistry and Biochemistry of B12</i> , 1999, 386-410, Banerjee, R. ed., John Wiley & Sons, New York.	
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